

## **METHOD AND APPARATUS FOR SYNCHRONIZATION OF ANCILLARY INFORMATION IN FILM CONVERSION**

### Abstract of the Disclosure

A digital processor to synchronize ancillary information with film images during a film conversion session is described. The ancillary information includes metadata information and audio information. The digital processor advantageously processes the ancillary information at a speed to support faster than real-time film conversion. The ancillary information can come from various sources and in various forms. Information from analog sources is digitized for processing using digital technology. A pitch adjuster frequency shifts digitized analog signals and digital input signals to achieve a selected data rate that matches the rate of film conversion. Digitally encoded input data can be decoded and re-encoded to achieve the selected data rate. A formatter manipulates the ancillary information at the selected data rate to conform to a standard format and combines the formatted ancillary information with film images conforming to a standard motion picture format.

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